

AMENDMENTS TO THE SPECIFICATION

Please make the following amendments to the specification.

Please replace paragraph 0057 with the following replacement paragraph:

Fig. 23B is a schematic representation of secondary folding of hairpins of the operon-like cluster of Fig. 23A. The hairpins shown are as follows: N2 (SEQ ID NO: 20190), N3 (SEQ ID NO: 20191), MIR23 (SEQ ID NO: 20192), GAM22 (SEQ ID NO: 20193), GAM116 (SEQ ID NO: 20194), N4 (SEQ ID NO: 20195), N0 (SEQ ID NO: 20196), N6 (SEQ ID NO: 20197), MIR24 (SEQ ID NO: 20198), N7 (SEQ ID NO: 20199), and N116 (SEQ ID NO: 20216);

Please replace paragraph 0059 with the following replacement paragraph:

Fig. 24A is an annotated sequence of EST72223 (SEQ ID NO: 20200) comprising known miRNA gene MIR98 and novel gene GAM25, both detected by the gene detection system of the present invention; and Figs. 24B, 24C and 24D are pictures of laboratory results demonstrating laboratory confirmation of expression of known gene MIR98 and of novel bioinformatically detected gene GAM25 respectively, both of Fig. 24A, thus validating the bioinformatic gene detection system of the present invention.